



MSD

Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

July 30, 2007

Mr. Femi Akindele  
Remedial Project Manager  
Kentucky/Tennessee Section  
U.S. Environmental Protection Agency  
Region IV  
61 Forsyth Street  
Atlanta, GA 30303

**Re: Report of Field Observation – FY07 -Fourth Quarter (FY07-4Q)  
Lees Lane Superfund Site, Jefferson County, Kentucky,  
Administrative Order on Consent, USEPA Docket No-91-32-C**

Dear Mr. Akindele:

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY07-4Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY07-4Q.

Sincerely,

Richard H. Watkins, Sr.  
Infrastructure Liaison  
RHW/rw  
Lees-07-4Q

Enc.

cc: Kentucky National Resource Environment Protection Cabinet  
Mr. Ken Logsdon, Division of Waste Management  
Herbert J. Schardein, Jr., Executive Director  
Saeed Assef, Senior Manager  
Lees Lane File



Beneficial Use of Louisville's Biosolids  
www.louisvillegreen.com



10863001

**REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

**Observation Report No.:** FY07-4Q      **Date of Observation:** 06/26/07

**Instruction:** If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

<u><b>Comment No.:</b></u>	<u><b>Comment</b></u>
A-4	Observed that the access road to gas collection Well No. 5 remains in good condition with new gravel
B-1	Observed that Lee's Lane gate barricade has been painted and remains unchanged from previous quarterly institutional inspections.
B-2	Condition of the Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. Intrusions into the landfill site and flood protection levee areas by ATVs from the woods adjacent to the Putnam Avenue barricade is still in evidence. The landfill site and flood protection levee continues to receive surveillance by the Metro Louisville Police.

<u><b>Comment No.</b></u>	<u><b>Corrective Action Performed</b></u>
A-4	No corrective action required at this time.
B-1	Continue to observe condition of the Lee's Lane barricade during future quarterly institutional inspections will no corrective action at this time.
B-2	Continue to observe condition of the Putnam Avenue barricade during future quarterly institutional inspections. Replacement of damaged "No Trespass- Keep Out" signs at strategic locations along the access roads and Mill Creek cut-off channel areas in an effort to discourage ATV intrusions and trespass into the landfill and levee area sites.

**Comment No.:****Comment**

- C-7 Observed tilted well and moisture trap concrete collars
- C-8 Observed several well and moisture covers missing

**Comment No.****Corrective Action Performed**

- C-7 Schedule resetting of tilted well and moisture trap concrete collars for 2, 4, 8, 11, 12, 14, and 16. weather and scheduling permitting.
- C-8 Scheduled replacement of missing well and moisture trap covers as required FY08-2Q.

**Comment No.:****Comment**

- D-3 Observed that protective casings for gas monitoring well are rusting
- D-8 Monitoring wells tubing, fittings, and valves were not directly observed but any external damage or disturbance to enclosures was not evident.
- E-7 Observed some vegetative growth on portions of the riprap cap and drainage channel slopes.
- E-8 Observed that trash and debris build-up on the riprap area has been reduced from prior observations.
- E-12 Observed that the number #2 survey monument location marker has been replaced pulled on the cap.
- F-4 Observed areas of inadequate grass cover from intrusion of ATV's.

**Comment No.**

**Corrective Action Performed**

- |      |   |
|------|---|
| D-3  | Scheduled painting of gas monitoring wells protective casings during FY08-2Q.   |
| D-8  | Monitoring well tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures. Condition of tubing, fittings, and valves will be determined during the scheduled FY08-2Q sampling program efforts |
| E-7  | Spraying of the riprap drainage channels and riprap cap area should be scheduled prior to the end of FY08-2Q.   |
| E-8  | No further action required at this time.  |
| E-12 | No further action required at this time.  |
| F-4  | Condition of ruts left by ATVs and other vehicles should be monitored at future quarterly institutional inspections and backfilled as necessary.  |

4Q-07

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY07-4Q ————— Date of Observation 06/26/07  
Time Arrived Onsite: 10:45 AM Time Departed Site: 12:22 PM  
Field Personnel: RICHARD H WATKINS, SR. INFRASTRUCTURE LIAISON

---

---

---

Section A: General Site Conditions

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Major settlement of topsoil or erosion exposing waste/fill material	—	—	—	—
2. Evidence of leachate seepage	—	—	—	—
3. Distressed Vegetation	—	—	—	—
4. Pot holes, erosion of access road	<u>X</u>	—	—	<u>A-4</u>

---

Section B: Institutional Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Structural problem with Lee's Lane gate or barricade	—	<u>X</u>	—	<u>B-1</u>
2. Structural problem with Putman Ave. barricade	—	<u>X</u>	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	—	—	—
4. Broken or missing lock	—	—	—	—

---

Section C: Gas Collection System

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Vandalism to blower house wells, or moisture traps	—	—	—	—
2. Structural damage to blower house	—	—	—	—
3. Blower not operating or visible damage	—	—	—	—
4. Blower house not secure and unclean	—	—	—	—

---

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
---------------	-------------	-----------	-------------------------	------------------------

5.	Service box lids not in place	—	—	—	—
6.	Alarm and blower controls not functioning	—	—	—	—
7.	Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	<u>C-7</u>
8.	Well/moisture trap covers missing or damaged	<u>X</u>	—	—	<u>C-8</u>
9.	Excessive vegetation covering wells/moisture traps	—	—	—	—
10.	Adjustment valve inaccessible	—	—	—	—
11.	Well/moisture trap caps, plugs, and piping missing	—	—	—	—
12.	Blower house and well/moisture trap signs missing or damaged	—	—	—	—

---

Section D: Groundwater & Gas Monitor Wells

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Wells unlocked	—	—	—	—
2. Guard posts and rails missing or damaged	—	—	—	—
3. Protective casing missing, damaged or rusted	<u>X</u>	—	—	<u>D-3</u>
4. Concrete pads damaged or cracked	—	—	—	—
5. Possible surface water infiltration into wells	—	—	—	—
6. Excessive vegetation or debris around wells	—	—	—	—
7. Well cap missing or damaged	—	—	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	<u>X</u>	<u>D-8</u>

Section E: Bank Protection Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
1. Subsidence of slope, sloughing or caving	—	—	—	—
2. Erosion of rip-rap or underlying material	—	—	—	—
3. Abnormally damp areas, wet ground vegetation	—	—	—	—
4. Soft spots in surface	—	—	—	—
5. Seepage, water flow, piping, or sand boils	—	—	—	—
6. Undermining of rip-rap	—	—	—	—
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	—	<u>X</u>	—	<u>E-8</u>
9. Exposed trash or filter fabric	—	—	—	—
10. Tilting trees	—	—	—	—
11. Tension cracks	—	—	—	—
12. Survey monuments missing or damaged	—	<u>X</u>	—	<u>E-12</u>

Section F: Surface Waste Cleanup/Cover

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
1. Swales greater than 1 foot wide and 2 inches deep	—	—	—	—
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	—	—
3. Areas of erosional damage to grass	—	—	—	—
4. Inadequate grass cover (area > 36 ft <sup>2</sup> )	<u>X</u>	—	—	<u>F-4</u>
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	—	—	—
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	—	—	—

\*If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION  
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY07-4Q

Date of Observation 06/26/07

---

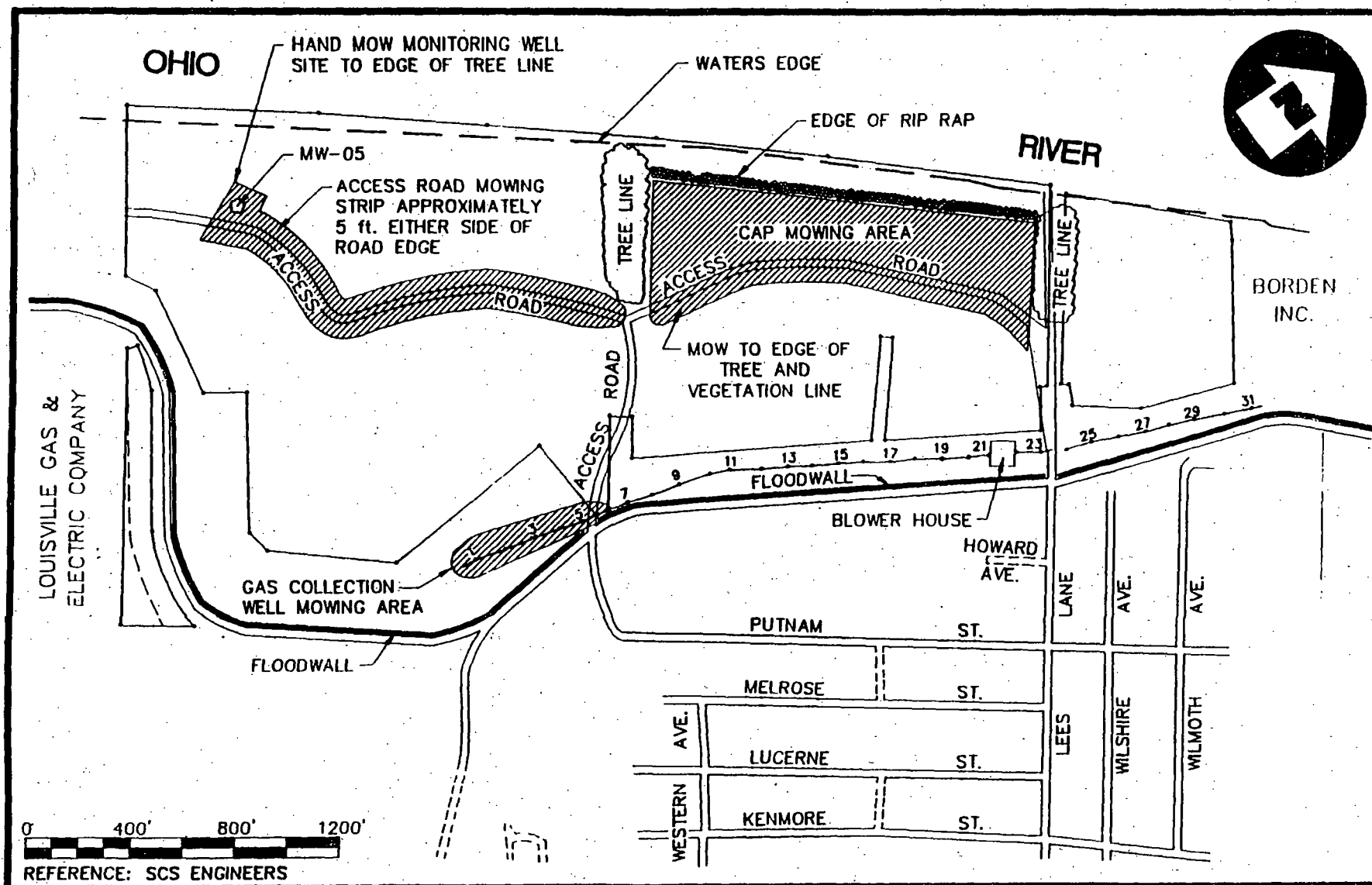
Site Map

Observer's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

*Richard D. L. Sr.*  
*July 30, 2007*





**GAS COLLECTION SYSTEM  
LEES LANE LANDFILL SITE  
JEFFERSON COUNTY, KENTUCKY**

**EXHIBIT NO. 1**